

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

292.9
5035

U.S. DEPT. OF AGRICULTURE

SNOW SURVEYS and WATER SUPPLY OUTLOOK for ALASKA



U. S. DEPARTMENT of AGRICULTURE ★ SOIL CONSERVATION SERVICE

Collaborating with

ALASKA SOIL CONSERVATION DISTRICT

AS OF
MAR. 1, 1974

Data included in this report were obtained by the agencies named above in cooperation with Federal, State and private organizations listed inside the back cover of this report.

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

*Cover Photo: Snow Surveyors near Ship Creek,
Alaska snow course.*

SCS PHOTO A-172-11

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 511 N. W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	204 E. 5th. Ave., Room 217, Anchorage, Alaska 99501
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



FEDERAL - STATE - PRIVATE
***SNOW SURVEYS
AND
WATER SUPPLY OUTLOOK
FOR
ALASKA***

Issued by

KENNETH E. GRANT
ADMINISTRATOR
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.

|||||
Released by

WEYMETH E. LONG
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
ANCHORAGE, ALASKA

|||||
Report prepared by

ARTHUR G. CROOK
SNOW SURVEY SUPERVISOR
SOIL CONSERVATION SERVICE
204 EAST FIFTH AVENUE
ANCHORAGE, ALASKA 99501



SNOWPACK PROFILE STUDY

SCS PHOTO A-317-1

ALASKA SUMMARY as of MARCH 1, 1974

Heavy snows during February have helped the outlook on some Alaska watersheds while some others remain well below average.

Snowpack conditions now range from a low of half of normal on the Koyukuk drainage to 23 percent above average on the Kenai Peninsula.

Forecasts of this spring's snowmelt runoff indicate that Fairbanks and Anchorage area streams will yield from 12 to 15 percent less than normal.

The area by area summary is as follows:

KOYUKUK DRAINAGE

The season's first snow surveys on the Koyukuk watershed have revealed that the March 1 snowpack is only 52 percent of average. At Bettles and Anaktuvuk Pass the accumulation is near the March 1, 1970 record low.

UPPER YUKON DRAINAGES

Virtually all measurement sites are well below average. Area-wide, the snowpack is 27 percent below normal. At this time last year the pack was near average.

KUSKOKWIM DRAINAGE

The limited number of courses on the upper reaches of the watershed are 27 percent less than average but 20 percent higher than last year.

TANANA-CHENA DRAINAGES

Conditions have improved during the last month and the basin snow cover is now 74 percent of average. Last year at this time, the pack was near normal. The Chena and Salcha rivers are forecast to run at 85 and 84 percent of normal respectively during the snowmelt runoff period.

COPPER DRAINAGE

This area has shown a dramatic improvement. Last month many courses were near their record low levels but heavy snows during February have resulted in March 1 levels only 10 percent below average. Currently, this area is 14 percent heavier than last year's snowpack.

MATANUSKA-SUSITNA DRAINAGES

Most snow courses in this vicinity accumulated more snow than normal during February. These watersheds now are only 14 percent below normal.

UPPER COOK INLET DRAINAGES

This is another area that received heavy February snows. The pack is now only 10 percent below normal, and is 15 percent above last March 1. Forecasting procedures have been developed for Ship Creek and the South Fork of Campbell Creek. These streams are forecast to yield 88 percent of their normal April through July runoff.

KENAI PENINSULA DRAINAGES

Snow courses in this area now are 23 percent above the short-term average. The heavy February snows brought this figure up considerably over last month.

SOUTHEASTERN DRAINAGES

The season's first surveys near Juneau show that the March 1 snowpack is 14 percent greater than normal and slightly higher than last year. Further south, near Ketchikan, the pack has shown an accelerated accumulation during February and is now a third heavier than last year.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
CHENA RIVER at Fairbanks	490	85%	April-July	541	574
SALCHA RIVER nr. Salchaket	670	84%	April-July	686	795
SHIP CREEK nr. Anchorage 1/	51	88%	April-July	40.5	57.7
SO. FK. CAMPBELL CREEK nr. Anchorage	11.6	88%	April-July	9.7	13.1

1/ Measured flow adjusted for diversion.

SNOW

DRAINAGE BASIN and/or SNOW COURSE				THIS YEAR			PAST RECORD		
				Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		Years of Previous Record
							Last Year	Average †	
NAME				Number	Elevation				
AS OF FEB. 15, 1974									
<u>TANANA-CHENA:</u>									
Big Windy	22	3850	Abandoned			2.8E	2.7	4	
Caribou Mine	28	1115	2/16 21A			3.6E	5.8E	5.1	5
Chena Hot Springs	21	1250	Abandoned				4.2E	5.0	5
Cleary Summit	18	2230	2/16 23A			5.0E	6.5E	6.5	5
Little Chena	19	2200	2/16 23A			4.3E	6.5E	5.6	5
Mt. Ryan	20	2950	2/16 23A			5.2E	7.1E	6.9	5
Munson Ridge	23	3100	2/16 33A			6.3E	10.0E	10.8	5
Upper Chena	75	3000	2/16 26A			4.0E	7.5E	8.4	5
Wolf Creek	76	3850	2/16 12A			2.5E	4.0E	4.6	5
AS OF MAR. 1, 1974									
<u>NORTHSLOPE:</u>									
Elusive Lake	105	1800	No Survey				NS	--	2
<u>KOYUKUK DRAINAGE:</u>									
Anaktuvuk Pass	1	2100	2/25 12			1.8	3.1	3.1	6
Bettles Field	2	640	2/25 24			4.1	9.7	7.4	7
Cold Foot	107	1000	2/28 25			4.0	10.3	9.3	3
Dietrich Camp	106	1550	2/28 16			2.3	4.7	4.6	3
Glacier Creek	113	2000	2/28 24A			3.6E	8.1E	--	2
Jim River	115	1900	No Survey				5.2E	--	2
Kupuk Creek	112	2300	3/01 24A			3.6E	6.8E	--	2
Lake Todatonten	77	985	2/24 21A			3.4E	4.8E	5.4	6
Prospect Creek	108	980	2/28 22			3.4	7.3	--	2
Snowden Mountain	111	1900	No Survey				4.3E	--	2
Table Mountain	110	2200	3/01 19A			2.7E	4.9E	--	2
West Buttons	114	1600	2/27 20A			2.5E	7.4E	--	2
<u>YUKON DRAINAGE:</u>									
Arctic Village	6	2300	2/26 18			2.3	3.0	3.1	10
Black River	11	650	2/26 17			2.0	4.3	3.7	9
Boundary	15	3300	2/27 19A			2.9E	4.2E	4.5	7
Bull Lake	13	810	Abandoned				4.1E	4.6	7
A - Aerial Marker Reading	E - Estimated					NS -	No Survey		

† 1958-1972 period.

SNOW

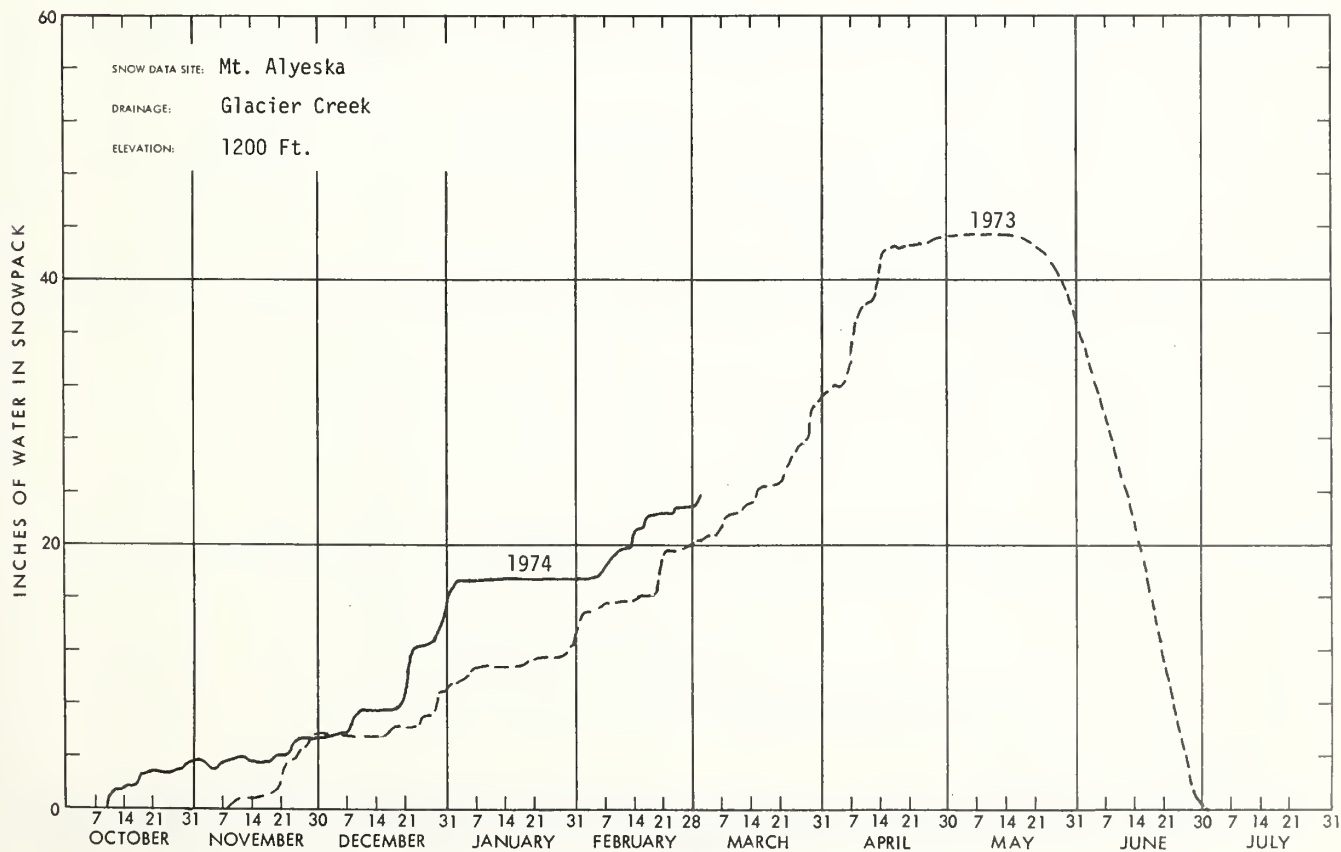
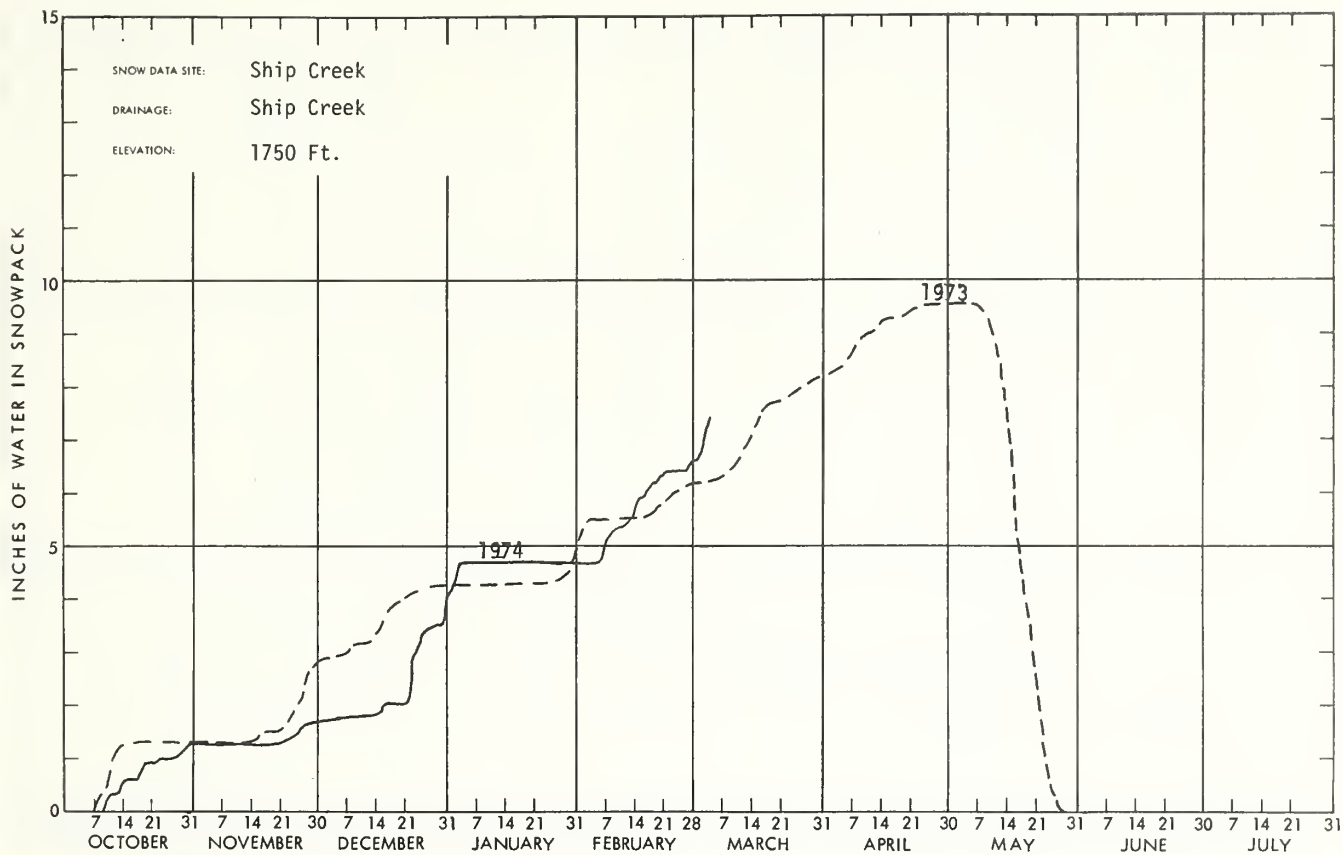
DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD		
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		Years of Previous Record
NAME	Number	Elevation				Last Year	Average †	
<u>YUKON DRAINAGE:</u>								
Chandalar Lake	3	2040	2/25	18	2.6	4.7	3.3	8
Chicken Airstrip	16	1650	2/27	13	1.9	2.5	2.8	9
Circle City	12	600	2/26	20	2.5	3.3	3.8	9
Coleen River	8	1100	2/26	12A	1.7E	3.6E	2.8	9
Dempsey Creek	83	950	2/27	19A	2.9E	3.9E	4.2	5
Eagle Village	14	900	2/27	22	3.2	3.0	3.9	9
5 Mile	109	400	2/28	19	2.9	3.5	4.4	3
Fort Yukon	10	425	2/26	16	2.1	3.3	3.1	9
Koness Lake	7	1790	2/26	13	2.0	3.4	3.0	7
Log Cabin	69	2880	2/28	41	10.4	12.2	11.4	13
Mt. Fairplay	94	3100	2/27	15A	2.1E	2.4E	3.8	4
Nation River	95	3050	2/27	26A	4.4E	5.7E	5.4	3
Squaw Lake	4	2150	2/25	16A	2.4E	4.6	3.4	7
Thirty Mile	116	1300	No Survey		NS	5.0E	--	2
Venetie	5	610	2/25	16	2.3	3.2	2.6	9
Vundik Lake	9	950	2/26	15A	2.2	4.3	2.7	6
<u>KUSKOKWIM DRAINAGE:</u>								
Farewell Lake	43	1090	2/24	17	2.5	2.2	3.2	7
Lake Minchumina	42	730	2/24	17	2.8	2.2	4.1	7
<u>TANANA-CHENA:</u>								
Big Delta	29	975	2/28	16	2.5	2.1	3.0	13
Bonanza Creek	82	1150	2/28	19	2.8	3.1	4.7	6
Caribou Creek	103	1440	3/01	21	3.1	5.0	5.2	4
Caribou Mine	28	1115	3/01	23	4.1	5.4	5.3	8
Chena Hot Springs	21	1250	Abandoned			3.8	4.2	10
Cleary Summit	18	2230	2/26	26	5.6	7.0	5.8	13
Colorado Creek	27	750	2/26	20	3.0	3.5	4.6	8
Donnelly Dome	80	2200	2/27	20	3.9	3.4	5.3	7
Fielding Lake	33	3000	2/27	36	7.6	9.0	8.4	11
Fort Greely	78	1420	2/26	18	2.9	1.5	3.3	7
French Creek	24	2010	2/26	22	4.7	5.0	6.3	11
Granite Creek	81	1235	2/28	16	2.7	1.9	3.2	6
Haystack Mtn.	102	1950	3/01	26	4.8	7.1	--	2
Little Chena	19	2200	3/01	26	4.9	6.5	5.5	9
Little Salcha	25	1500	2/26	21	3.8	3.5	5.6	11
Meadows Road	79	1570	2/27	18	2.8	1.7	2.8	7
Mentasta Pass	31	2430	2/27	27	4.7	7.4	5.0	11
Monument Creek		1900	3/01	21	3.6	4.7	--	1
Mt. Ryan	20	2950	3/01	27	5.2	7.2	6.5	9
Munson Ridge	23	3100	3/01	33	6.7	12.3	10.8	10
Poker Creek	104	1025	3/01	19	3.0	4.4	4.5	3
Teuchet Creek		1640	3/01	18	2.9	3.5	--	1
Tok Junction	30	1650	2/28	16	2.6	2.0	3.2	13
Upper Chena	75	3000	3/01	21	4.0	7.6	8.4	6
Wien Lake	74	1020	2/24	17	2.4	2.7	4.0	6
Wolf Creek	76	3850	3/01	13A	2.7E	3.1E	3.6	5
Yak Pasture	17	540	2/26	18	2.9	3.8	4.3	12
<u>COPPER RIVER:</u>								
Haggard Creek	34	2540	2/27	29	5.4	4.0	4.5	9
Little Nelchina	40	4160	3/01	21A	3.6E	4.4E	4.4	6
Mankomen Lake	32	3050	3/01	33	6.0	4.6	5.8	7
St. Anne's Lake	54	1985	3/01	16	2.6	3.6	4.4	9
Sanford River	37	2280	2/28	29A	5.4E	3.6E	4.3	7
Tsaina River	119	1550	2/27	41	8.2	--	--	1
Worthington Glacier	55	2400	2/27	46	10.9	--	14.2	7
A - Aerial Marker Reading	E - Estimated		NS - No Survey					

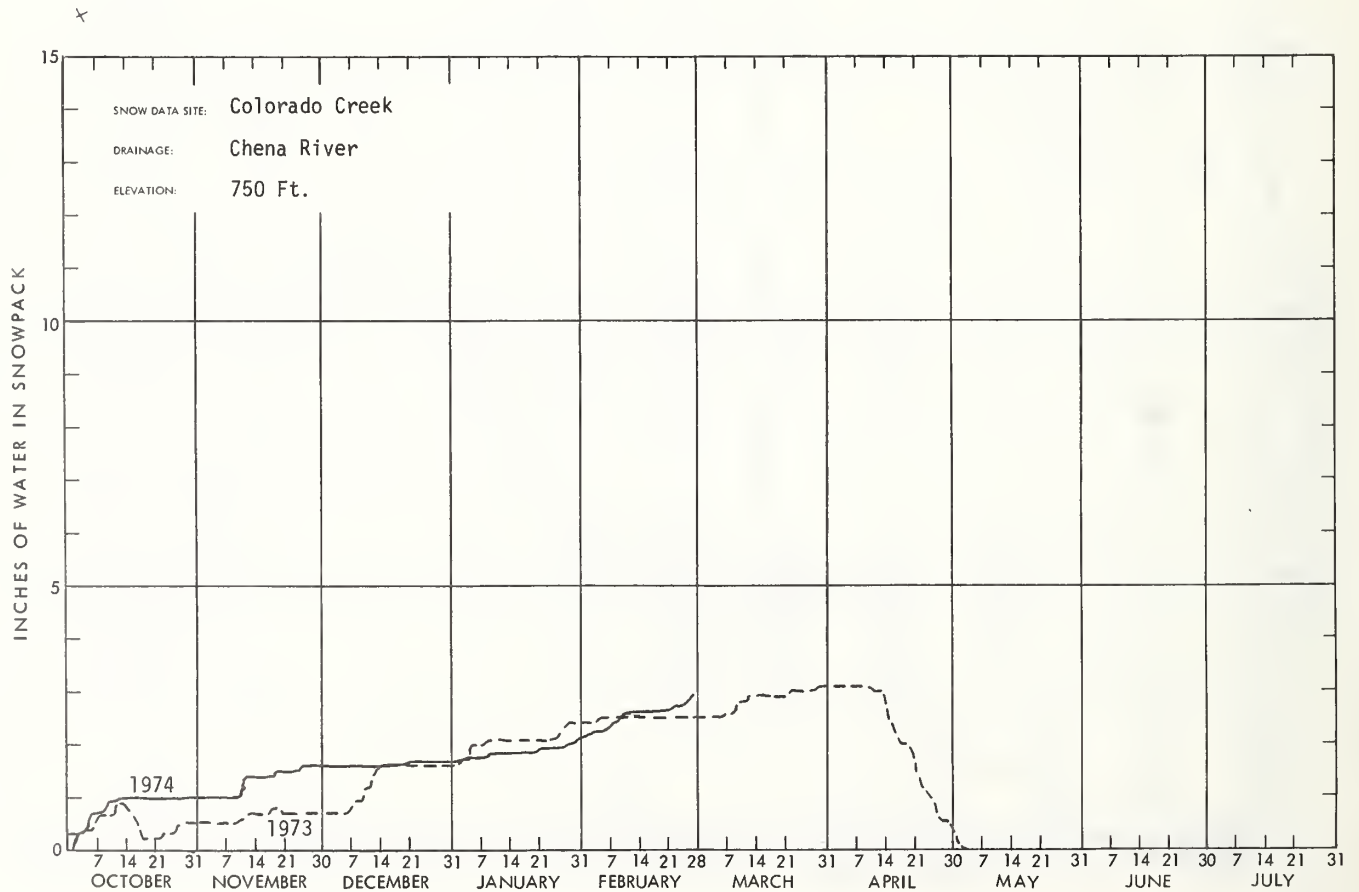
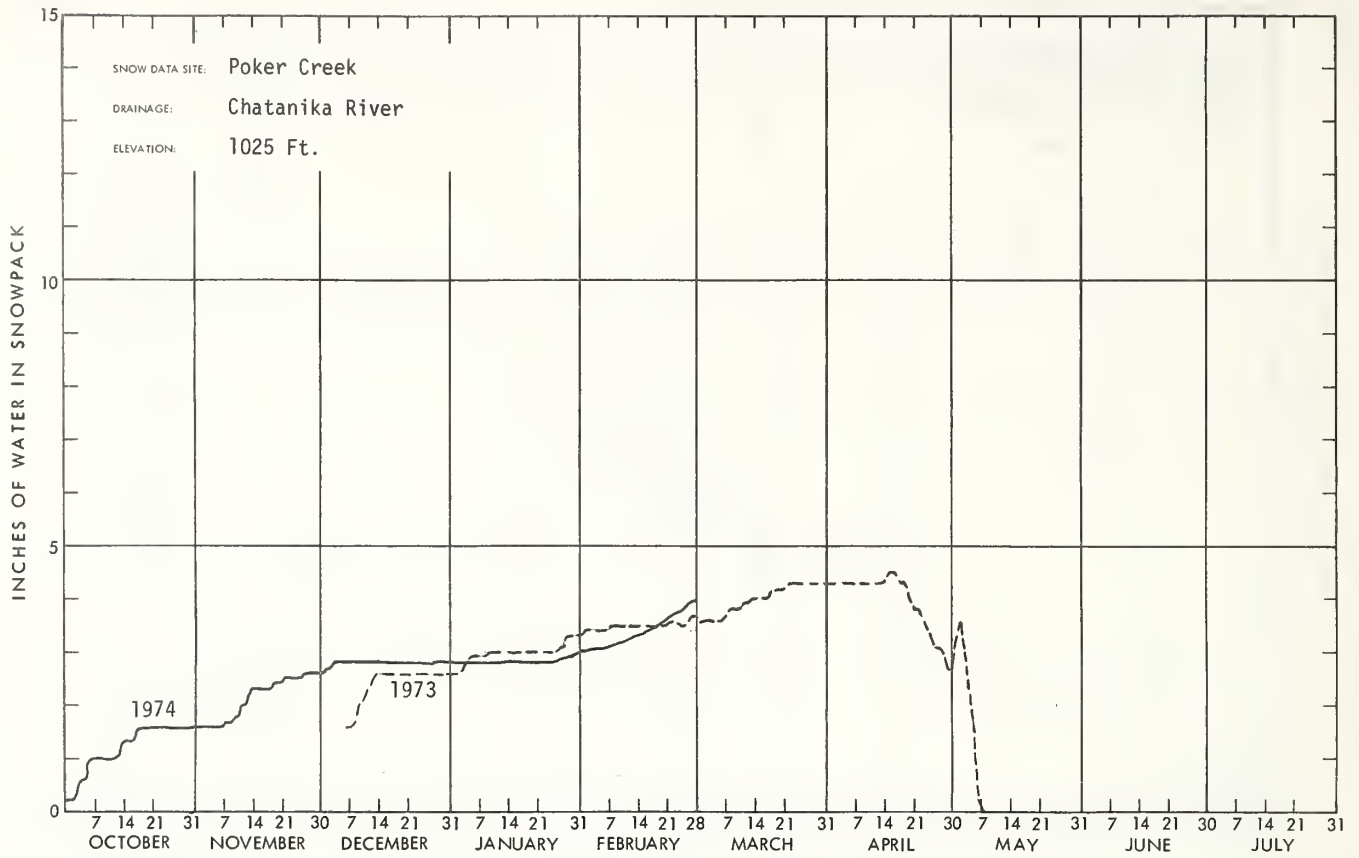
+ 1958-1972 period.

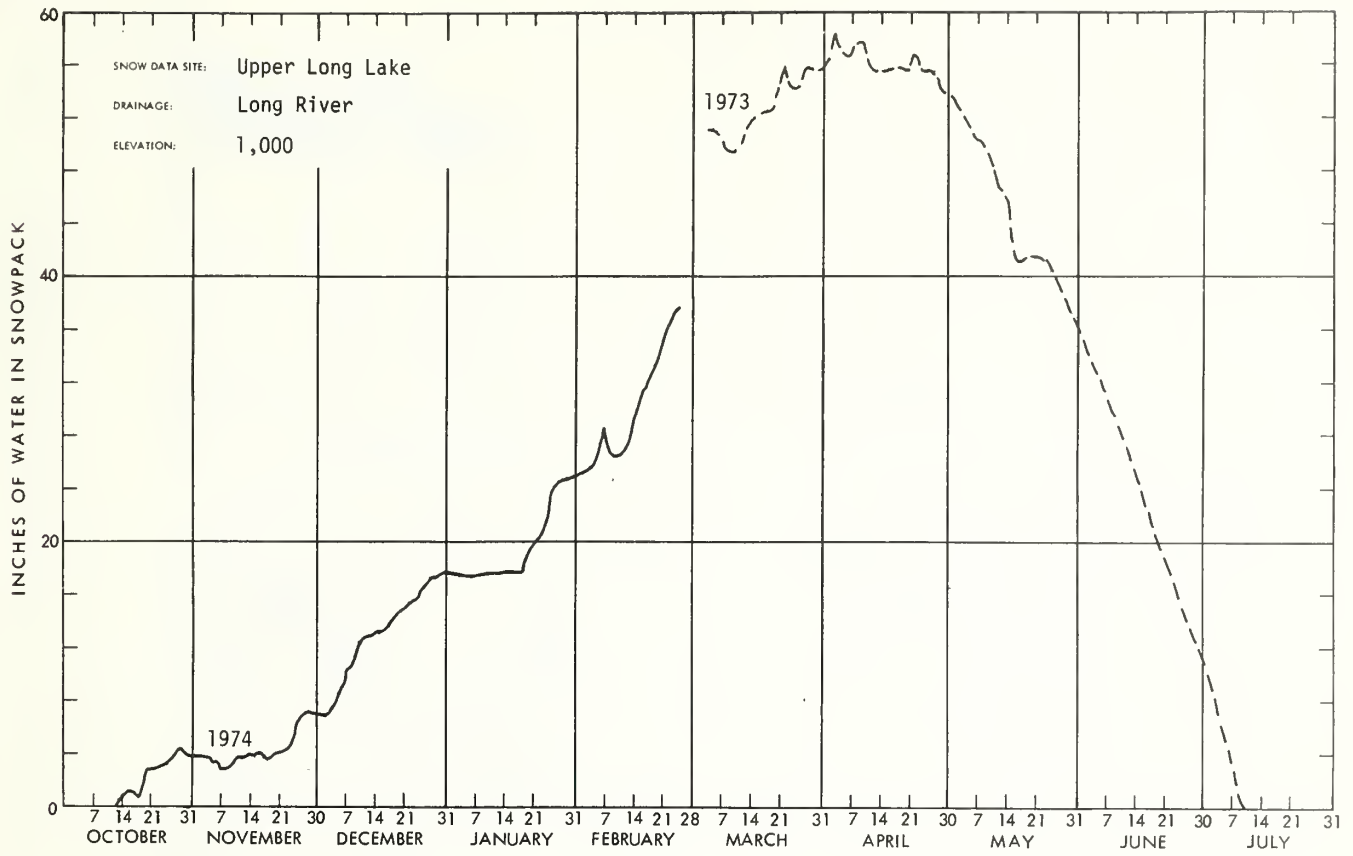
SNOW

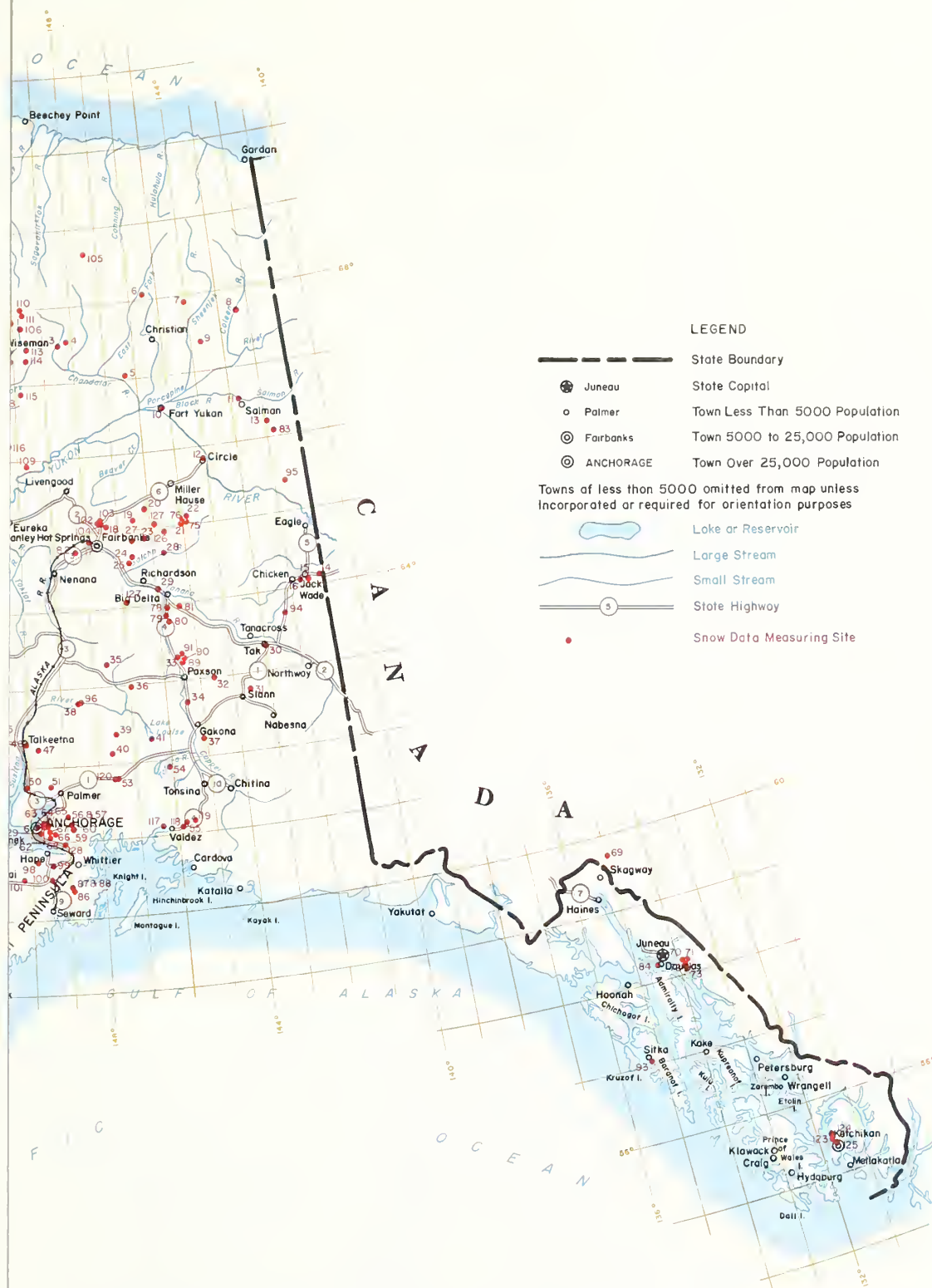
DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			PAST RECORD		
			Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)		Years of Previous Record
NAME	Number	Elevation				Last Year	Average †	
<u>MATANUSKA-SUSITNA:</u>								
Alexander Lake	49	200	2/28	34	8.2	7.7	9.5	10
Bald Mtn. Lake	47	2150	2/28	27A	6.5E	4.8E	5.8	9
Chelatna Lake	44	1650	2/28	34A	7.5E	7.8E	8.5	10
Clearwater Lake	36	3100	2/28	26	4.8	5.6	4.7	8
Fog Lakes #2	96	2250	2/28	20	3.6	6.9	6.0	4
Independence Mine	51	3300	2/28	52	12.6	--	14.5	7
Lake Louise	41	2400	3/01	25	3.8	3.7	3.6	9
Monahan Flat	35	2710	2/28	22A	3.7E	6.9	6.3	9
Oshetna Lake	39	2950	3/01	21	3.5	4.1	3.2	10
Peters Hills	45	2010	2/28	39A	9.4E	12.9E	12.4	6
Sheep Mtn. #2	120	2900	2/27	17	2.6	--	3.8	8
Skwentna	48	158	2/28	33	7.0	6.4	8.4	7
Talkeetna	46	350	2/28	28	5.0	5.8	6.9	7
Willow Airstrip	50	150	3/01	34	7.0	5.3	5.8	10
<u>UPPER COOK INLET:</u>								
Arctic Ski Bowl	65	3000	2/27	31	8.7	10.1	10.6	10
Arctic Valley #1	61	500	2/27	13	2.4	3.8	2.8	10
Arctic Valley #2	62	1000	2/27	16	2.9	4.3	2.9	10
Arctic Valley #3	63	2030	2/27	23	5.0	5.1	5.0	10
Arctic Valley #4	64	2330	2/27	21	4.4	5.3	5.6	10
Bird Creek	66	2350	3/04	54	13.8	9.2	12.8	7
Goat	59	3200	3/01	40	9.3	3.7	9.1	6
Indian Pass	68	2350	3/04	59	15.4	15.7	16.5	7
McArthur	52	120	2/28	48A	11.5E	11.5E	17.4	9
Moraine	56	2100	3/01	29	5.1	4.8	5.8	6
Mt. Alyeska	128	1200	3/03	SP	23.8	17.7	--	1
Ptarmigan	57	3000	3/01	29	6.3	4.9	6.8	6
Ship Creek	67	1750	3/04	42	8.1	6.9	8.8	7
South Campbell Creek	129	1200	3/04	26	4.7	6.6	--	1
<u>PRINCE WILLIAM SOUND:</u>								
Lowe River	118	550	2/27	38	8.7	--	--	1
Valdez	117	50	2/27	43	11.1	--	--	1
<u>KENAI PENINSULA:</u>								
Bertha Creek	98	850	2/27	53	13.3	10.4	10.1	4
Bridge Creek, Upper	121	1300	2/28	37	8.4	6.5	--	2
Bridge Creek, Lower	122	1100	2/28	40	9.6	7.8	--	2
Jean Lake	101	620	2/27	17	3.3	3.7	2.7	4
Kenai Summit	99	1390	2/27	43	10.6	6.7	9.1	4
Moose Pass	100	700	2/27	23	5.1	5.4	4.2	4
<u>SOUTHEAST ALASKA:</u>								
Crater Lake	73	1750	2/25	163	61.0	59.5	54.6	9
Douglas Ski Bowl	84	1640	2/27	102	35.9	38.9	32.3	6
Harriet Top	123	2000	3/01	172	57.0	46.2	--	1
Hunt Saddle	124	1500	3/01	150	50.5	39.0	--	1
Lake Shore	125	660	3/01	96	41.3	25.0	--	1
Long Lake	71	1075	2/25	142	45.1	45.4	38.8	9
Speel River	72	275	2/25	95	32.0	35.8	29.5	9
Upper Long Lake	70	1000	2/25	127	42.0	42.0	34.1	9
<div>A - Aerial Marker Reading</div> <div>E - Estimated</div> <div>SP - Snow Pillow</div>								

† 1958-1972 period.











N7-O-22020-L
1974



INDEX OF ALASKA SNOW COURSES

HAP NO.	COURSE NAME	COURSE NO. *	ELEV.	LAT.	LONG.	MEAS. DATES *	MEAS. BY *	HAP NO.	COURSE NAME	COURSE NO. *	ELEV.	LAT.	LONG.	MEAS. DATES *	MEAS. BY *
1	Anaktuvuk Pass	51TT1A	2100	68°09'N	151°41'W	3,4	a	79	Meadows Road	45002	1570	63°52'N	145°50'W	1,2,3,4,5,7	a
2	Bettles Field	51RR1A	640	66°35'N	151°32'W	3,4	a	80	O'Connell's Ome	45003	2200	63°47'N	145°43'W	1,2,3,4,5,7	a
3	Chandalar Lake	48SS1A	2040	67°30'N	148°30'W	3,4	a	81	Granite Creek	45004	1240	63°57'N	145°24'W	1,2,3,4,5,7	a
4	Squaw Lake	48SS2a	2150	67°33'N	148°15'W	3,4	a	82	Bonanza Creek	48PP1	1150	64°45'N	148°20'W	2,3,4,5	b
5	Venetie	46SS1A	610	67°03'N	146°25'W	3,4,7	a	83	Oempsey Creek	41RR2A	950	66°06'N	141°48'W	3,4	a
6	Arctic Village	45TT1A	2300	68°05'N	145°35'W	3,4	a	84	Oouglas Ski Bowl	34JJ1	1640	58°16'N	134°27'W	3,4,5	b
7	Koness Lake	44SS1A	1790	67°55'N	144°08'W	3,4	a	86	Wolverine Glacier (A)	48LL1	2130	60°23'N	148°54'W	1,2,4,5,6,7	g
8	Coleen River	42SS1A	1100	67°44'N	142°28'W	3,4,7	a	87	Wolverine Glacier (B)	48LL2	3610	60°25'N	148°55'W	2,3,4,5,6,7	g
9	Vundik Lake	43SS1a	950	67°23'N	143°45'W	3,4	a	88	Wolverine Glacier (C)	48LL3	4430	60°25'N	148°55'W	1,2,4,6,7	g
10	Fort Yukon	45RR1AM	430	66°35'N	145°15'W	3,4,7	a	89	Gulkana Glacier (A)	45006	4590	63°15'N	145°29'W	2,3,4,5,6,7	g
11	Black River	42RR1A	650	66°36'N	142°45'W	3,4,7	a	90	Gulkana Glacier (B)	45007	5480	63°17'N	145°26'W	2,3,4,5,6,7	g
12	Circle City	44QQ3A	600	65°50'N	144°05'W	3,4,7	a	91	Gulkana Glacier (C)	45008	6360	63°19'N	145°29'W	5,6,7	g
13	Bull Lake	41RR1A	810	66°12'N	141°59'W	3,4	a	93	Blue Lake	35II1	950	57°04'N	135°10'W	3,4,5	b
14	Eagle Village	41PP1A	900	64°08'N	141°08'W	3,4,7	a	94	Mt. Fairplay	42001a	3100	63°42'N	142°17'W	3,4,5	a
15	Boundary	41PP3A	3300	64°05'N	141°27'W	3,4	a	95	Nation River	41QQ1a	3050	65°25'N	141°40'W	3,4	a
16	Chicken Airstrip	41PP2A	1650	64°05'N	141°45'W	3,4,7	a	96	Fog Lakes #2	48NN2A	2250	62°47'N	148°29'W	2,3,4,5	a,c
17	Yak Pasture	47PP1	540	64°52'N	147°55'W	2,3,4,5	a	98	Bertha Creek	49LL2	850	60°45'N	149°51'W	2,3,4,5	a
18	Clary Summit	47QQ1A	2230	65°03'N	147°24'W	1,2,3,4,5,7	a	99	Kenai Summit	49LL3	1390	60°40'N	149°28'W	2,3,4,5	a
19	Little Chena	46QQ2AP	2200	65°08'N	146°32'W	2,3,4,5,7	a	100	Moose Pass	49LL4	700	60°31'N	149°30'W	2,3,4,5	a
20	Mt. Ryan	46QQ1AP	2950	65°16'N	146°07'W	2,3,4,5,7	a	101	Jean Lake	50LL1	620	60°31'N	150°11'W	2,3,4,5	a
21	Chena Hot Springs	45QQ1	1250	65°03'N	145°03'W	2,3,4,5,7	a	102	Haystack Mtn.	47QQ2	1950	65°08'N	147°38'W	2,3,4,5	d
22	Sig Windy	44QQ2AP	3850	65°07'N	144°52'W	2,3,4,5,7	a	103	Caribou Creek	47QQ3	1440	65°09'N	147°35'W	2,3,4,5	d
23	Munson Ridge	46PP1AP	3100	64°52'N	146°13'W	2,3,4,5,7	a	104	Poker Creek	47QQ4S	1025	65°08'N	147°32'W	2,3,4,5,7	d
24	French Creek	46PP2MA	2010	64°43'N	146°40'W	2,3,4,5,7	a	105	Elusive Lake	47TT1A	1800	68°39'N	147°30'W	3,4,5	f
25	Little Salcha	46PP3	1500	64°38'N	146°44'W	2,3,4,5,7	a	106	Oietrich Camp	49SS1A	1550	67°42'N	149°45'W	2,3,4,5	f
27	Colorado Creek	46PP4S	750	64°52'N	146°39'W	1,2,3,4,5,7	a	107	Cold Foot Camp	50SS1	1000	67°16'N	150°10'W	1,2,3,4	f
28	Caribou Mine	45PP2A	1115	64°40'N	145°40'W	2,3,4,5,7	a	108	Prospect Creek	50RR1	980	66°47'N	150°45'W	2,3,4,5	f
29	Sig Delta	45PP1	980	64°14'N	145°58'W	2,3,4,5	a	109	Five Mile Camp	49RR1	400	65°55'N	149°48'W	2,3,4,5	f
30	Tok Junction	43001	1650	63°18'N	143°00'W	2,3,4,5	a	110	Table Mountain	49SS3a	2200	67°58'N	149°45'W	2,3,4,5	f
31	Mentasta Pass	43NN1	2430	62°51'N	143°30'W	2,3,4,5	a	111	Snowden Mtn.	49SS4a	1900	67°50'N	149°41'W	2,3,4,5	f
32	Mankomen Lake	44NN1	3050	63°00'N	144°32'W	2,3,4,5	a	112	Kupuk Creek	50SS2a	2300	67°48'N	150°08'W	2,3,4,5	f
33	Fielding Lake	45001A	3000	63°18'N	145°33'W	2,3,4,5	a	113	Glacier Creek	49SS2a	2000	67°28'N	149°31'W	2,3,4,5	f
34	Haggard Creek	45NN1A	2540	62°42'N	145°28'W	2,3,4,5	a	114	West Buttons	49SS5a	1600	67°17'N	149°34'W	2,3,4,5	f
35	Monahan Flat	47001A	2710	63°18'N	147°39'W	2,3,4,5	a,c	115	Jim River	49RR1a	1900	66°51'N	149°50'W	2,3,4,5	f
36	Clearwater Lake	46NN1A	3100	62°59'N	146°58'W	2,3,4,5	a,c	116	Thirty Mile	50RR2a	1300	66°13'N	150°15'W	2,3,4,5	f
37	Sanford River	45NN2A	2280	62°13'N	145°04'W	2,3,4,5	a,c	117	Valdez	46MM2	50	61°08'N	146°20'W	2,3,4,5	a
38	Fog Lakes	48NN1A	2270	62°47'N	148°30'W	2,3,4,5	a,c	118	Lowe River	45MM3	550	61°06'N	145°50'W	3,4,5	a
39	Oshetna Lake	47NN1A	2950	62°23'N	147°29'W	2,3,4,5	a,c	119	Tsaina River	45MM4	1500	61°12'N	145°30'W	3,4,5	a
40	Little Nelchina	47NN2a	4160	62°07'N	147°36'W	2,3,4,5	a,c	120	Sheep Mtn. #2	47MM2	2900	61°47'N	147°30'W	3,4,5	a
41	Lake Louise	46NN2A	2400	62°17'N	146°30'W	2,3,4,5	a,c	121	Bridge Creek (UP)	51KK1	1300	59°42'N	151°28'W	3,4,5	a
42	Lake Minchumina	52001A	730	63°53'N	152°18'W	3,4	a	122	Bridge Creek (LO)	51KK2	1100	59°40'N	151°32'W	3,4,5	a
43	Farewell Lake	53NN1A	1090	62°34'N	153°35'W	3,4	a	123	Harriet Top	31GG1	2000	55°29'N	131°37'W	3,4,5	b
44	Chelatna Lake	51NN1a	1650	62°31'N	151°29'W	2,3,4,5	a,c	124	Hunt Saddle	31GG2	1500	55°30'N	131°37'W	3,4,5	b
45	Peters Hills	50NN1a	2010	62°31'N	150°57'W	2,3,4,5	a,c	125	Lake Shore	31GG3	660	55°29'N	131°36'W	3,4,5	b
46	Talkeetna	50NN2	350	62°18'N	150°05'W	2,3,4,5	a,c	126	Teuchet Creek	45PP3	1640	64°57'N	145°31'W	2,3,4,5	a
47	Bald Mt. Lake	49NN1A	2150	62°15'N	149°45'W	2,3,4,5	a,c	127	Monument Creek	45QQ2	1900	65°03'N	145°55'W	2,3,4,5	a
48	Skwentna	51MM1A	160	61°58'N	151°12'W	2,3,4,5	a,c	128	Mt. Alyeska	49LL15	1200	60°57'N	149°05'W	2,3,4,5	b,a
49	Alexander Lake	50MM1A	200	61°45'N	150°54'W	2,3,4,5	a,c	129	South Campbell Creek	49MM11	1200	61°08'N	149°42'W	2,3,4,5	a
50	Willow Airstrip	50MM2	150	61°45'N	150°03'W	2,3,4,5	a,c								
51	Independence Mine	49MM10	3300	61°45'N	149°25'W	3,4,5	a								
52	McArthur	52LL1A	120	61°00'N	152°00'W	2,3,4,5	a,c								
53	Sheep Mountain	47MM1	2700	61°47'N	147°29'W	3,4,5	a								
54	St. Anne's Lake	46MM1A	1990	61°53'N	146°03'W	2,3,4,5	a,c								
55	Worthington Glacier	45MM2	2400	61°10'N	145°45'W	3,4,5	a								
56	Moraine	48MM1	2100	61°22'N	148°59'W	3,4,5,7	e								
57	Ptarmigan	48MM2	3000	61°22'N	148°59'W	3,4,5,7	e								
59	Goat	48MM7A	3200	61°14'N	148°51'W	3,4,5,7	e								
60	Grizzly	48MM4A	5000	61°15'N	148°56'W	3,4,7	e								
61	Arctic Valley #1	49MM1	500	61°13'N	149°40'W	2,3,4,5	c								
62	Arctic Valley #2	49MM2	1000	61°13'N	149°37'W	2,3,4,5	c								
63	Arctic Valley #3	49MM3	2030	61°14'N	149°35'W	2,3,4,5	c								
64	Arctic Valley #4	49MM4	2330	61°14'N	149°33'W	2,3,4,5	c								
65	Arctic Ski Bowl	49MM5	3000	61°15'N	149°31'W	2,3,4,5	c								
66	Bird Creek	49MM6A	2350	61°06'N	149°20'W	2,3,4,5,7	a								
67	Ship Creek	49MM7MP5	1750	61°08'N	149°28'W	2,3,4,5	a								
68	Indian Pass	49MM8A	2350	61°05'N	149°29'W	2,3,4,5	a								
69	Log Cabin (B.C.)	34KK1	2880	59°45'N	134°58'W	3,4,5	e								
70	Upper Long Lake	33JJ2aS	1000	58°11'N	133°53'W	3,4,5,6,7	e								
71	Long Lake	33JJ1A	1080	58°12'N	133°47'W	3,4,5,6,7	e								
72	Speel River	33JJ3A	280	58°09'N	133°43'W	3,4,5,6,7	e								
73	Crater Lake	33JJ4a	1750	58°08'N	133°43'W	3,4,5,6,7	e								
74	Wien Lake	51PP1A	1020	64°22'N	151°18'W	3,4	a								
75	Upper Chena	44QQ1AP	3000	65°07'N	144°55'W	2,3,4,5,7	a								
76	Wolf Creek	44QQ4a	3850	65°08'N	144°57'W	2,3,4,5,7	a								
77	Lake Todatonten	52RR1a	980	66°10'N	152°55'W	3,4	a								
78	Ft. Greely	45005	1420	63°57'N	145°45'W	1,2,3,4,5,7	a								

LEGEND

- * *Numerals 1,2,3,4,5, and 6 refer to January 1, February 1, March 1, April 1, May 1, June 1, and 7 - for special dates.*
- * *Letters refer to Agency that secures the snow survey, as follows:*
 - a. Soil Conservation Service
 - b. Forest Service
 - c. U.S. Army Corps of Engineers
 - d. U.S. Army Cold Regions Research & Eng. Lab
 - e. Alaska Power Administration
 - f. Bureau of Land Management
 - g. U.S. Geological Survey
- * *Letters following the snow course no. refer to:*
 - A. Snow course and aerial stadia marker
 - a. Aerial stadia marker only
 - M. Soil Moisture Station
 - P. Precipitation Storage Gage
 - S. Snow Pillow

MAP NO.	COURSE NAME	COURSE NO. * *
1	Anaktuvuk Pass	51TT1A
2	Bettles Field	51RR1A
3	Chandalar Lake	48551A
4	Squaw Lake	48552a
5	Venetie	46551A
6	Arctic Village	45TT1A
7	Koness Lake	44551A
8	Coleen River	42551A
9	Vundik Lake	43551a
10	Fort Yukon	45RR1AM
11	Black River	42RR1A
12	Circle City	44QQ3A
13	Bull Lake	41RR1A
14	Eagle Village	41PP1A
15	Boundary	41PP3A
16	Chicken Airstrip	41PP2A
17	Yak Pasture	47PP1
18	Cleary Summit	47QQ1A
19	Little Chena	46QQ2AP
20	Mt. Ryan	46QQ1AP
21	Chena Hot Springs	45QQ1
22	Big Windy	44QQ2AP
23	Munson Ridge	46PP1AP
24	French Creek	46PP2MA
25	Little Salcha	46PP3
27	Colorado Creek	46PP45
28	Caribou Mine	45PP2A
29	Big Delta	45PP1
30	Tok Junction	43001
31	Mentasta Pass	43NN1
32	Mankomen Lake	44NN1
33	Fielding Lake	45001A
34	Haggard Creek	45NN1A
35	Monahan Flat	47001A
36	Clearwater Lake	46NN1A
37	Sanford River	45NN2A
38	Fog Lakes	48NN1A
39	Oshetna Lake	47NN1A
40	Little Nelchina	47NN2a
41	Lake Louise	46NN2A
42	Lake Minchumina	52001A
43	Farewell Lake	53NN1A
44	Chelatna Lake	51NN1a
45	Peters Hills	50NN1a
46	Talkeetna	50NN2
47	Bald Mt. Lake	49NN1A
48	Skwentna	51MM1A
49	Alexander Lake	50MM1A
50	Willow Airstrip	50MM2
51	Independence Mine	49MM10
52	McArthur	52LL1A
53	Sheep Mountain	47MM1
54	St. Anne's Lake	46MM1A
55	Worthington Glacier	45MM2
56	Moraine	48MM1
57	Ptarmigan	48MM2
59	Goat	48MM7A
60	Grizzly	48MM4A
61	Arctic Valley #1	49MM1
62	Arctic Valley #2	49MM2
63	Arctic Valley #3	49MM3
64	Arctic Valley #4	49MM4
65	Arctic Ski Bowl	49MM5
66	Bird Creek	49MM6A
67	Ship Creek	49MM7MP5
68	Indian Pass	49MM8A
69	Log Cabin (8.C.)	34KK1
70	Upper Long Lake	33JJ2aS
71	Long Lake	33JJ1A
72	Speel River	33JJ3A
73	Crater Lake	33JJ4a
74	Wien Lake	51PP1A
75	Upper Chena	44QQ1AP
76	Wolf Creek	44QQ4a
77	Lake Todatonten	52RR1a
78	Ft. Greely	45005

AGENCIES AND ORGANIZATIONS COOPERATING IN ALASKA SNOW SURVEYS

FEDERAL

Atomic Energy Commission

Department of Agriculture
Forest Service

Institute of Northern Forestry
North Tongass National Forest
South Tongass National Forest
Chugach National Forest

Department of Commerce
National Oceanic and Atmospheric Administration
NOAA National Weather Service

Department of Defense
U.S. Army Corps of Engineers
U.S. Army Cold Regions Research and Engineering Laboratory

Department of Interior
Bureau of Land Management
Geological Survey
Alaska Power Administration

STATE

State of Alaska

Alaska Soil Conservation District
Fairbanks Soil Conservation Sub-district
Homer Soil Conservation Sub-district
Kenai-Kasilof Soil Conservation Sub-district
Kenny Lake Soil Conservation Sub-district
Kodiak Soil Conservation Sub-district
Montana Soil Conservation Sub-district
Ninilchik Soil Conservation Sub-district
Palmer Soil Conservation Sub-district
Salcha-Big Delta Soil Conservation Sub-district
Wasilla Soil Conservation Sub-district
University of Alaska

BOROUGH

Greater Anchorage Area Borough
City and Borough of Sitka

MUNICIPALITIES

City of Anchorage

PRIVATE

Mt. Alyeska Resort, Inc.

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
204 E. 5TH AVENUE, ROOM 217
ANCHORAGE, ALASKA 99501

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*

U.S. Dept. of Agriculture
Library
Current Serial Record
Washington, D.C. 20250